

What Is Claimed Is:

1. A device for injecting a foldable IOL into an eye, said device comprising an injector body having a lumen terminating at an open tip wherethrough the IOL is expressed from said device, said lumen increasing in diameter toward said open tip.
2. The device of claim 1 and further comprising an opening in said injector body defining an IOL loading bay in said lumen wherein said IOL is inserted for delivery through said device and into an eye.
3. The device of claim 2, and further comprising a compressor drawer having a leading edge, said compressor drawer attached to said device adjacent said loading bay and movable to a closed position whereupon said leading edge engages and compresses said IOL in said loading bay.
4. The device of claim 3 and further comprising a plunger having a longitudinal shaft and a plunger tip for sliding movement within said lumen, said plunger tip configured for engaging and pushing said IOL through said lumen and out said open tip.
5. The device of claim 4 wherein said plunger tip has an outer diameter slightly smaller than the diameter of said lumen.
6. The device of claim 1 wherein said device body has an outer diameter which is substantially constant from a point adjacent said IOL when initially placed in said device to said open tip.
7. The device of claim 1 wherein said device body has an outer diameter which increases along with the increase in diameter of said lumen.
8. The device of claim 1 wherein said increase in diameter is gradual.

9. The device of claim 1 wherein said increase in diameter is stepped.
10. The device of claim 6 wherein said increase in diameter is gradual.
11. The device of claim 6 wherein said increase in diameter is stepped.
12. The device of claim 7 wherein said increase in diameter is gradual.
13. The device of claim 7 wherein said increase in diameter is stepped.
14. A device for injecting a foldable IOL into an eye, said device comprising:
 - a) a device body having a lumen terminating at an open tip wherethrough the IOL is expressed from said device; and
 - b) a plunger having a longitudinal shaft and a plunger tip, said plunger tip having a cross-sectional shape corresponding to the cross-sectional shape of at least the length of said lumen where the plunger tip engages and advances the IOL through said lumen;whereby said plunger tip has a diameter slightly smaller than the diameter of said lumen such that said plunger tip has a close, sliding fit within said lumen.
15. The device of claim 14 and further comprising an opening in said device body defining a loading bay located in said lumen and wherein said IOL is inserted for delivery through said device and into an eye.
16. The device of claim 14 wherein said lumen increases in diameter toward said open tip.
17. The device of claim 16 wherein said device body has an outer diameter which increases along with the increase in diameter of said lumen.
18. The device of claim 16 wherein said device body has an outer diameter which is substantially constant along where the lumen diameter increases.

19. The device of claim 15 and further comprising a compressor drawer having a leading edge, said compressor drawer attached to said device adjacent said loading bay and movable to a closed position whereupon said leading edge engages and compresses said IOL in said loading bay.
20. The device of claim 16 wherein said increase in diameter is gradual.
21. The device of claim 16 wherein said increase in diameter is stepped.